50

Figure 1: System Configuration

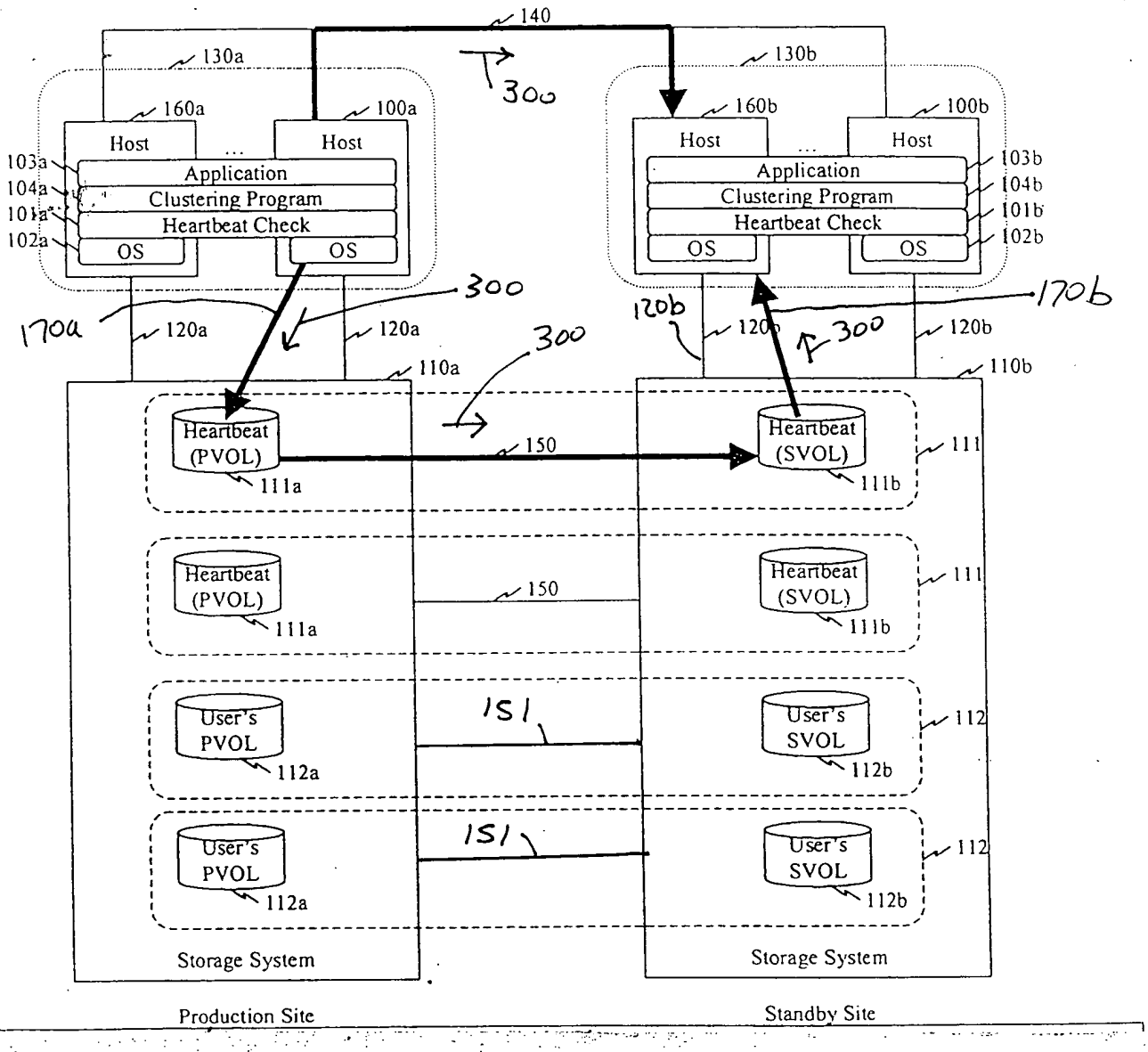


Fig2. Heartbeat Status Table 250

Network Heartbeat Enable	Enable	200
Remote Group Status	Alive	210
Remote Copy Heartbeat Enable	Enable	220
Remote Group Status	Alive	230
240a → Device Address (1)	/dev/c1t1d2	240
241a → Device Status (1)	Enable	241
240b → Device Address (2)	/dev/c1t1d3	240
241b → Device Status (2)	Enable	241
...	...	
240c → Device Address (n)	NULL	240
241c → Device Status (n)	Disable	241

Fig3. Heartbeat Message 300

Serial Number	421014	310
Time	18:31	320
Identifier	400104	330

Fig 4. Installing Mirror Volumes for Heartbeat

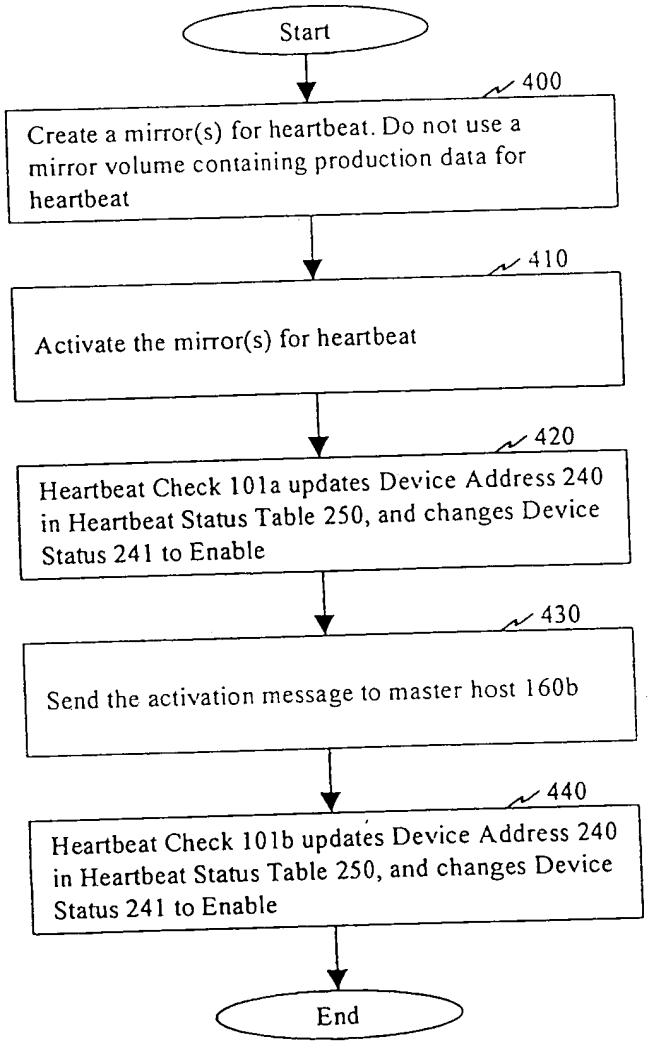


Fig 5. De-installing Mirror Volumes for Heartbeat

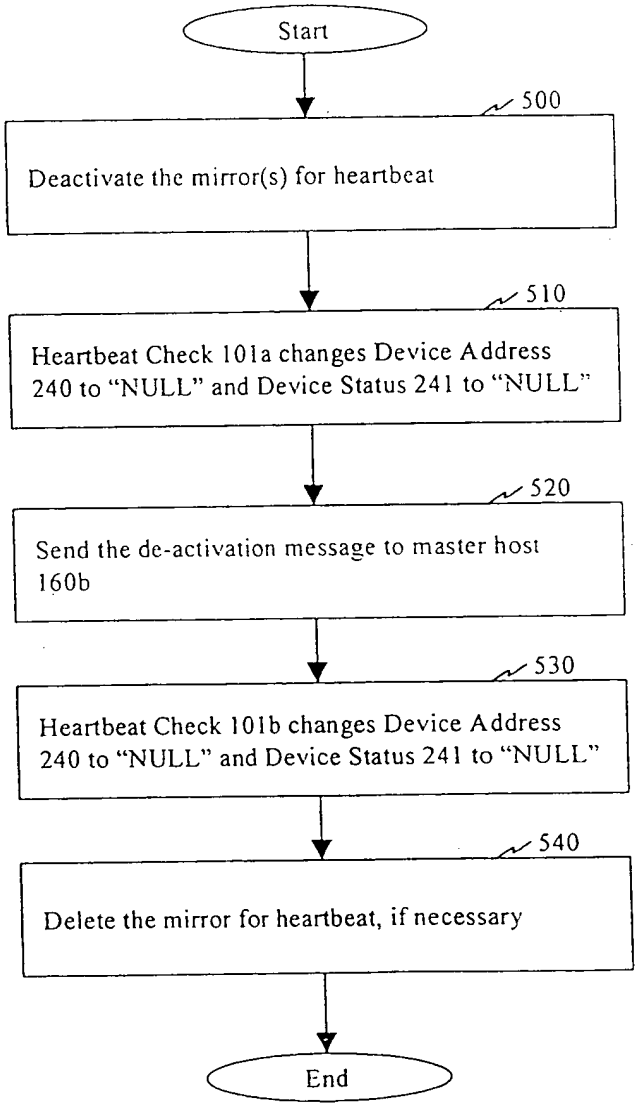


Fig 6. Sending Heartbeat Message (Heartbeat Check 101a)

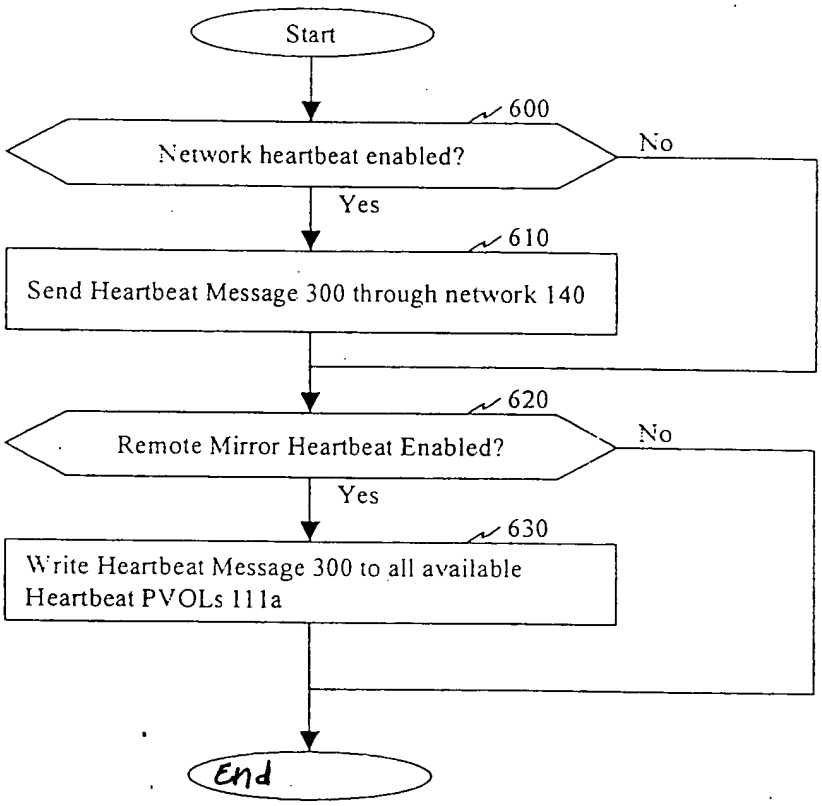


Fig 7. Receiving Heartbeat Message (Heartbeat Check 101b).

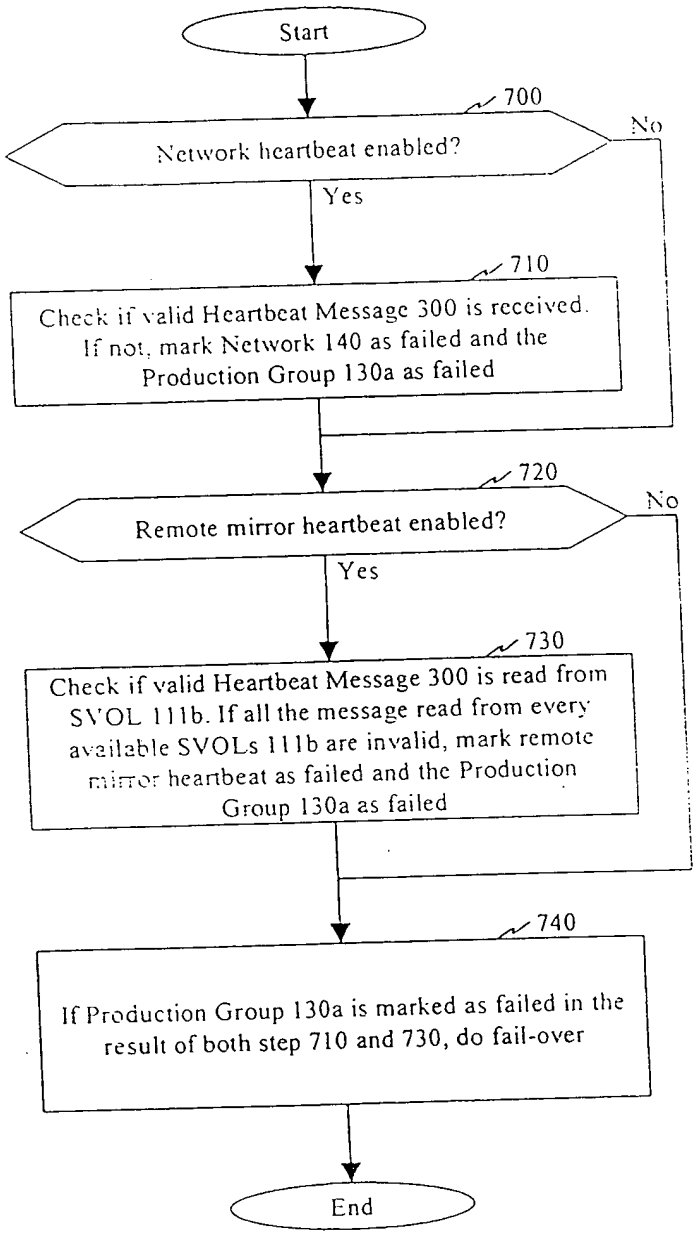


Fig 8. Setting A Heartbeat Checking Method

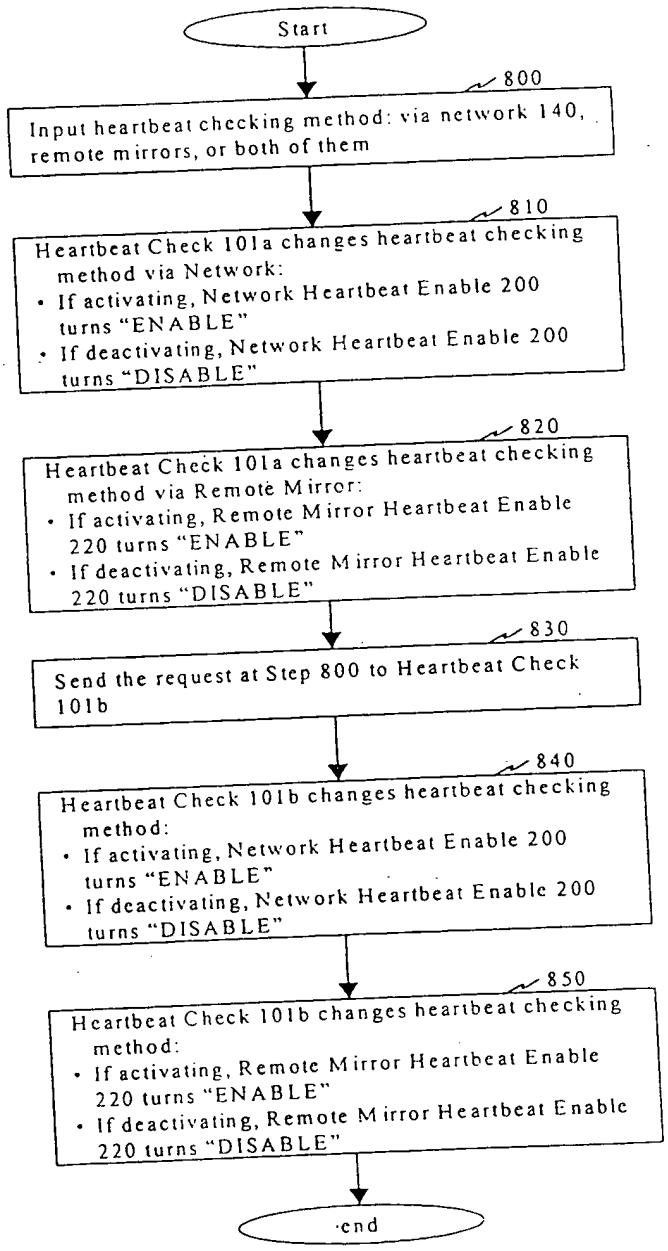
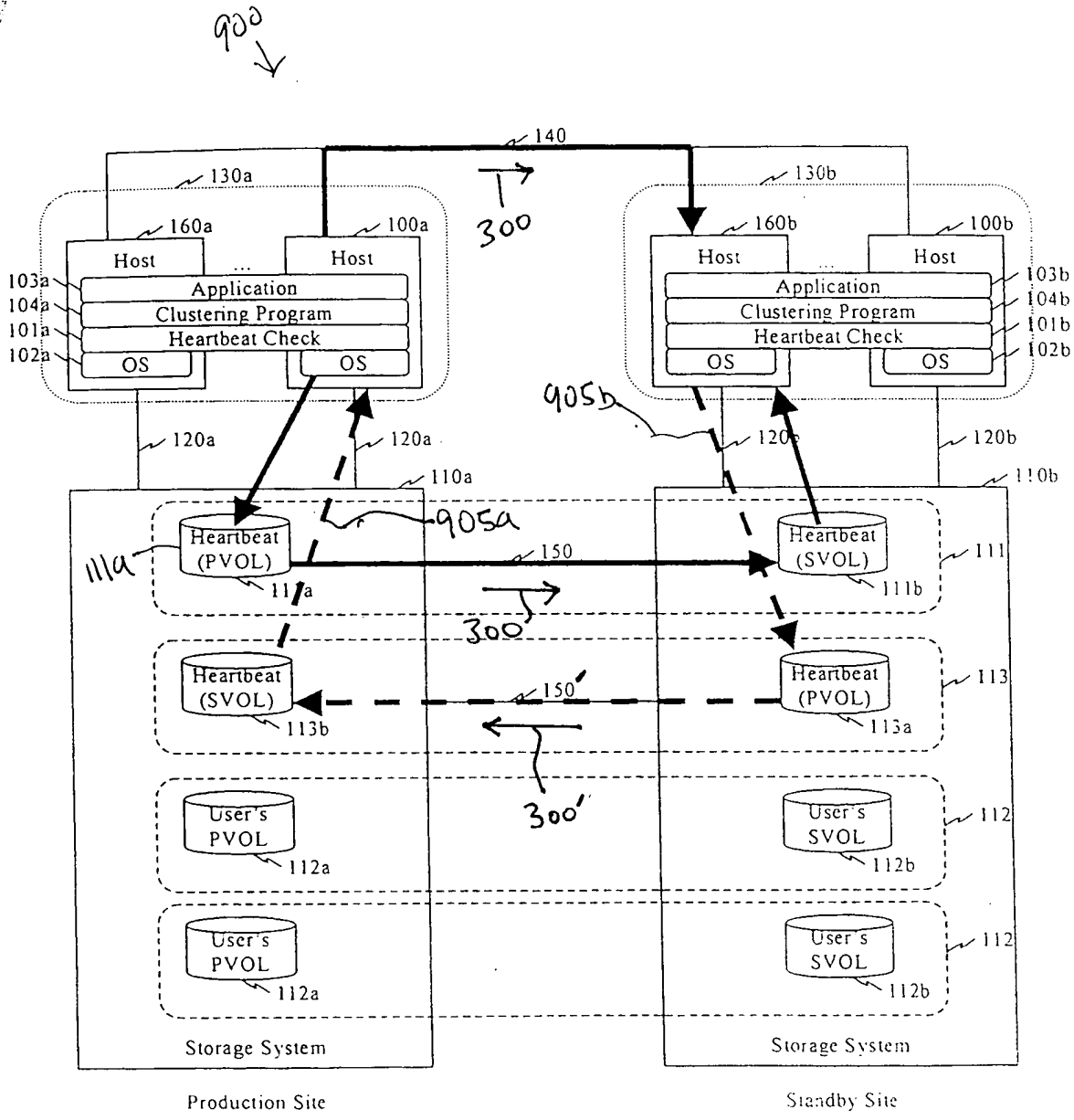


Fig9. System Configuration



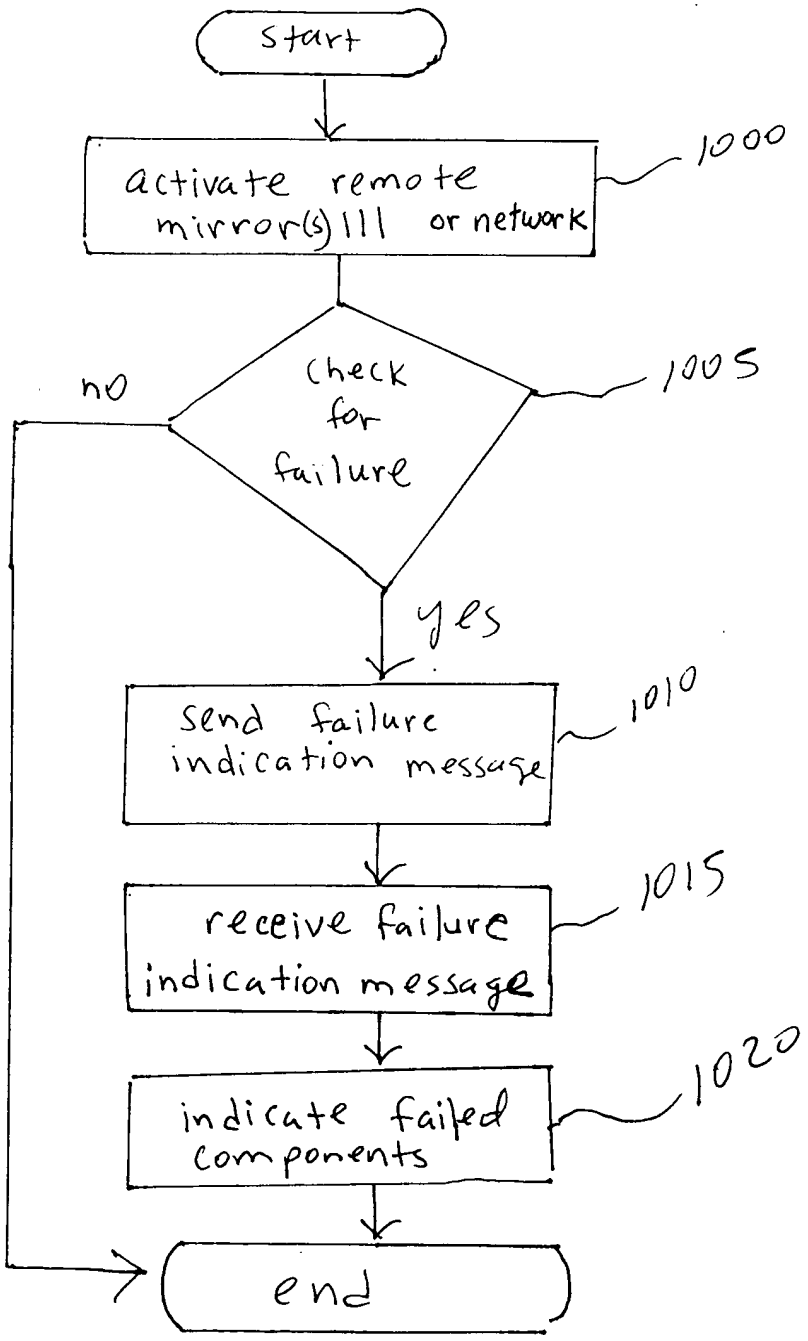

start
activate remote mirror(s) III or network
1000
check for failure
1005
no
yes
send failure indication message
1010
receive failure indication message
1015
indicate failed components
1020
end

Figure 10

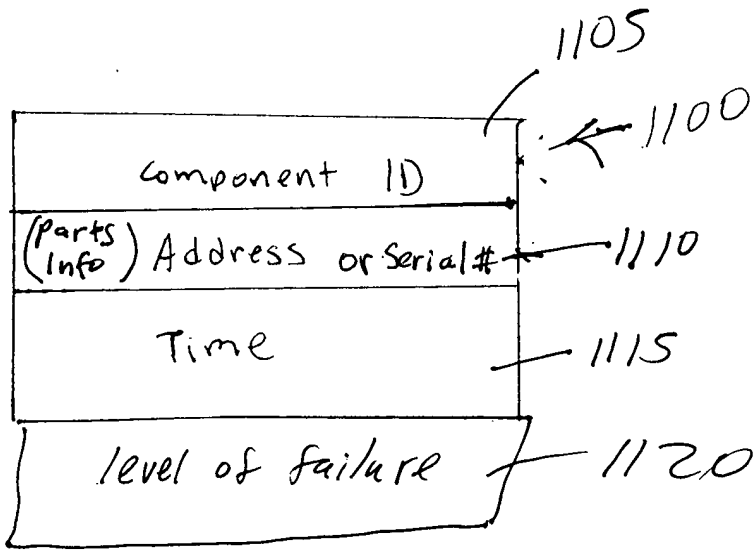

1105
1100
Component ID
(Parts Info) Address or Serial #
1110
Time
1115
level of failure
1120

Figure 11